

Title (en)

AMPLIFIER POWER COMBINER WITH SLOTLINE IMPEDANCE TRANSFORMER

Title (de)

VERSTÄRKERLEISTUNGSKOMBINIERER MIT SCHLITZLEITUNGSIMPEDANZWANDLER

Title (fr)

COMBINEUR DE PUISSANCE D'AMPLIFICATEUR COMPORTANT UN TRANSFORMATEUR D'IMPÉDANCE DE LIGNE À FENTE

Publication

**EP 3474443 A1 20190424 (EN)**

Application

**EP 17306411 A 20171018**

Priority

EP 17306411 A 20171018

Abstract (en)

Systems and methods for communicating electromagnetic signals and/or power and, more particularly for example, to power combiners and similar systems and methods for communicating electromagnetic signals and/or power generated by amplifiers to loads, are described herein. In at least example embodiment, a power amplifier system includes first and second amplifier circuits and a power combiner circuit coupled to each of the first and second amplifier circuits and having a first microstrip transmission line component, a slotline formation, and an additional coupling component that is capable of being at least indirectly coupled to a load, where the first microstrip transmission line component and additional coupling component are electromagnetically coupled by way of the slotline formation.

IPC 8 full level

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CPC (source: EP US)

**H01P 3/023** (2013.01 - US); **H01P 3/081** (2013.01 - US); **H01P 5/18** (2013.01 - US); **H03F 1/0288** (2013.01 - EP US); **H03F 1/30** (2013.01 - US); **H03F 3/189** (2013.01 - EP US); **H03F 3/19** (2013.01 - US); **H03F 3/211** (2013.01 - US); **H03F 3/602** (2013.01 - EP US); **H05K 1/0243** (2013.01 - US); **H03F 2200/447** (2013.01 - US); **H03F 2200/451** (2013.01 - US); **H03F 2200/543** (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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